# OCZ Z-Drive R2 p84 256GB PCI-Express SSD

## Design & Technology:

Z-Drive R2 p84 is designed to meet the demanding storage and computing applications of enterprise servers storage arrays, super computing and data warehousing. The Z-Drive delivers faster more reliable data transfer and reduced power consumption. Unlike other solutions, the Z-Drive provides a cost-effective formula of performance, reliability, and upkeep for enterprise customers and their applications which require the benefits of solid state drive technology.

## Applications:

Servers and workstations

### Physical Specifications

| | |
|---|---|
| Capacity: | 256GB |
| NAND Flash Components: | Multi-Level Cell (MLC) NAND Flash Memory |
| Interface: | PCI Express |
| Form Factor: | x8 slot full height PCI Express |
| Dimensions: | See page 2 |

### Reliability Specifications

| | |
|---|---|
| Life Expectancy: | 1.0 million hours Mean Time Before Failure (MTBF) |
| Reliability: | ECC is BCH with 8, 12 or 16 bits correctable, depending on NAND |
| Product Health Monitoring: | Self-Monitoring, Analysis and Reporting Technology |

### Environmental Specs

| | |
|---|---|
| Operating Temperature: | 0°C ~ 70°C |
| Storage Temperature: | -45°C ~ +85°C |
| Certifications: | RoHS, CE, FCC |

### Performance Specifications

| | |
|---|---|
| Max Read: | up to 750 MB/s |
| Max Write: | up to 500 MB/s |
| Sustained Write: | up to 250MB/s |
| Cache: | 256MB on board Cache |
| Max Random Write IOPS: | 6000 IOPS (4KB 32QD) |
| Max Random Read IOPS: | 29000 IOPS (4KB 32QD) |
| Power Consumption: | Active: 12Watts |
| Performance Optimization: | Background Garbage Collection (GC) |

### Compatibility

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|---|---|
| OS Compatibility: | Windows (XP or later) Client and Server versions, Linux , Apple OS X (coming soon) |
| Power Requirements: | PCI Express only, no external power |

### Part Number UPC

| | |
|---|---|
| OCZSSDPX-ZD2P84256G | 842024016861 |

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## Mechanical Information: